

$\eta(1760)$ $I^G(J^{PC}) = 0^+(0^{-+})$

OMMITTED FROM SUMMARY TABLE

Seen by DM2 in the $\rho\rho$ system (BISELLO 89B). Structure in this region has been reported before in the same system (BALTRUSAITIS 86B) and in the $\omega\omega$ system (BALTRUSAITIS 85C, BISELLO 87). Needs confirmation.

 $\eta(1760)$ MASS

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT	
1756± 9 OUR AVERAGE					
1744±10±15	1045	¹ ABLIKIM	06H BES	$J/\psi \rightarrow \gamma\omega\omega$	
1760±11	320	² BISELLO	89B DM2	$J/\psi \rightarrow 4\pi\gamma$	
¹ From a partial wave analysis including $\eta(1760)$, $f_0(1710)$, $f_2(1640)$, and $f_2(1910)$.					
² Estimated by us from various fits.					

 $\eta(1760)$ WIDTH

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT	
96±70 OUR AVERAGE Error includes scale factor of 5.1.					
$244^{+24}_{-21} \pm 25$	1045	³ ABLIKIM	06H BES	$J/\psi \rightarrow \gamma\omega\omega$	
60±16	320	⁴ BISELLO	89B DM2	$J/\psi \rightarrow 4\pi\gamma$	
³ From a partial wave analysis including $\eta(1760)$, $f_0(1710)$, $f_2(1640)$, and $f_2(1910)$.					
⁴ Estimated by us from various fits.					

 $\eta(1760)$ REFERENCES

ABLIKIM	06H	PR D73 112007	M. Ablikim <i>et al.</i>	(BES Collab.)
BISELLO	89B	PR D39 701	G. Busetto <i>et al.</i>	(DM2 Collab.)
BISELLO	87	PL B192 239	D. Bisello <i>et al.</i>	(PADO, CLER, FRAS+)
BALTRUSAIT...	86B	PR D33 1222	R.M. Baltrusaitis <i>et al.</i>	(Mark III Collab.)
BALTRUSAIT...	85C	PRL 55 1723	R.M. Baltrusaitis <i>et al.</i>	(CIT, UCSC+)

OTHER RELATED PAPERS

BAI	99	PL B446 356	J.Z. Bai <i>et al.</i>	(BES Collab.)
-----	----	-------------	------------------------	---------------